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NOTICE OF ALLOWANCE AND FEE(S) DUE

1218

7590

03/07/2008

CASELLA & HESPOS 274 MADISON AVENUE NEW YORK, NY 10016 EXAMINER

LYONS, MICHAEL A

ART UNIT PAPER NUMBER

2877

DATE MAILED: 03/07/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,587	10/03/2005	Christoph Hauger	Z50056	9032

TITLE OF INVENTION: COHERENCE MICROSCOPE USING INTERENCE OF TIME INCOHERENT LIGHT TO ACHIEVE DEPTH RESOLUTION IN A MEASUREMENT SPECIMEN.

IN A MEASUREMENT SPECIMEN

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/09/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

appropriate. All further	correspondence includired below or directed oth	ng the Patent, advance o	orders and notification of r	maintenance fees wi	ll be i	mailed to the current	correspondence address as rate "FEE ADDRESS" for
		ock 1 for any change of address)	Foot	(c) Transmittal This	cortif	cate cannot be used for	r domestic mailings of the or any other accompanying nt or formal drawing, must
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							(Signature)
							(Date)
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10/538,587 TITLE OF INVENTION IN A MEASUREMENT		OSCOPE USING INTE	Christoph Hauger RENCE OF TIME INCOH	ERENT LIGHT TO	O ACH	Z50056 HEVE DEPTH RESO	9032 LUTION
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	06/09/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS]			
LYONS, MI	ICHAEL A	2877	356-479000	•			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A		" Indication form ed. Use of a Customer A TO BE PRINTED ON	(1) the names of up to or agents OR, alternation (2) the name of a single registered attorney or a 2 registered patent attolisted, no name will be THE PATENT (print or type data will appear on the port a substitute for filing an	vely, le firm (having as a agent) and the name rneys or agents. If n printed.	membe s of up o nam	er a 2 o to e is 3	ocument has been filed for
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4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	rd. Form PTO-2038 y authorized to charg	is atta	ched. required fee(s), any de	,
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Authorized Signature				Date			
Typed or printed name			Registration No				
This collection of informa an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ons for reducing this builtinginia 22313-1450. DC	FR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est y depending upon the indiv he Chief Information Office COMPLETED FORMS TO	retain a benefit by th timated to take 12 m vidual case. Any cor er, U.S. Patent and T O THIS ADDRESS.	e publ iinutes nment Traden SENI	ic which is to file (and to complete, includin s on the amount of tir lark Office, U.S. Depa D TO: Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/538,587	10/03/2005	Christoph Hauger	Z50056	9032	
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CASELLA & HE	ESPOS	LYONS, MICHAEL A			
274 MADISON AVENUE NEW YORK, NY 10016			ART UNIT	PAPER NUMBER	
			2877		
			DATE MAILED: 03/07/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 189 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 189 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/538,587	HAUGER ET AL.				
Notice of Allowability	Examiner	Art Unit				
	MICHAEL A. LYONS	2877				
	WICHAEL A. LYONS	2011				
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	plication. If not included name will be mailed in due course. THIS				
1. X This communication is responsive to amendment filed 21 F	ebruary 2008.					
2. The allowed claim(s) is/are <u>1-7,10-23 and 26-28</u> .						
3. Acknowledgment is made of a claim for foreign priority un	der 35 U.S.C. § 119(a)-(d) or (f).					
a) ☑ All b) ☐ Some* c) ☐ None of the:						
 Certified copies of the priority documents have 	been received.					
2. Certified copies of the priority documents have	been received in Application No	·				
Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the				
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements				
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.					
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached				
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the						
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5.	Patent Application				
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •				
_ ,	Paper No./Mail Dat	te				
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner's Amendr	ment/Comment				
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		ent of Reasons for Allowance				
	9.					

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims filed with the amendment of February 21, 2008, claims 24 and 25 are listed as cancelled. However, in error, a duplicate claim 25 still remains in the listing of the claims.

As such, claim 25 is cancelled.

Claims 1-7, 10-23, and 26-28 are pending.

Allowable Subject Matter

Claims 1-7, 10-23, and 26-28 are allowed in view of the prior art.

The following is an examiner's statement of reasons for allowance:

As to claim 1, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a coherence microscope, the microscope comprising, among other essential elements, a point light source emitting measurement light onto a specimen and at least one confocal aperture member, and a microscope optical system that focuses the measurement light on the specimen and focuses the measurement light reflected by the specimen on at least one confocal aperture member, wherein the aperture of the at least one confocal aperture member is so selected that the depth extent of the confocal zone substantially corresponds to the depth

Page 3

stroke of the coherence microscope, in combination with the rest of the limitations of the above claim.

As to claim 28, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a coherence microscope, the microscope comprising, among other essential elements, an optical fiber which feeds measurement light from a point light source to a microscope optical system and an ordered fiber bundle which is interposed between the optical fiber and the microscope optical system, the fibers of the ordered fiber bundle being arranged in linearly mutually juxtaposed relationship at the proximal end thereof; and a scanning device including a rotatable polygonal mirror for coupling measurement light into the fibers of the ordered fiber bundle and/or for coupling measurement light reflected by the specimen out of the fibers, in combination with the rest of the limitations of the above claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL A. LYONS whose telephone number is (571)272-2420. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley can be reached on 571-272-2800 ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2877

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael A. Lyons/ Primary Examiner, Art Unit 2877 February 28, 2008